

## ADDITIONAL SHEET

**CCR #:04-0537 Rev: A**

**Originator:** Dominick P. Iascone, Jr.

**Telephone :** 301-925-1012

**Office:** 3000X

**Title of Change:** Release of Patch\_7.02\_DPL\_HEG.01C (Amended) to DAACs for installation.

CSG:

After a clean build of DPL and HEG,

Please make the following tar files from the REL7PTE baseline:

Please make a SOL8 tar file with the following packages:

.EcHg.pkg

.EcDIWebAccess.pkg

Please make an IRIX65 tar file from the following package:

.EcDIDatabase.pkg

Please label this Patch\_7.02\_DPL\_HEG.01C .

This will deliver the following NCRs:

<b>NCR Number</b>	<b>Subsystem</b>	<b>Sev</b>	<b>State</b>	<b>Site</b>	<b>Description</b>
ECSed37721	OPS_SEP	5	V	NSIDC	Support Polar Stereographic projection for swath data
ECSed38645	OPS_HEG	2	V	EDC	Incorrect Subsetted Area When Using "no conversion" Subsetter Option
ECSed39994	OPS_HEG	5	V	NSIDC	Support UTM projection for swath data
ECSed40262	OPS_HEG	2	V	LaRC	Parameter files not created correctly for MISR Level 2 data sets
ECSed40574	OPS_DPool	5	V	EDC	7.00: Shopping Cart Limit Should Be Configurable
ECSed40802	OPS_HEG	2	V	EDC	MOD11_L2 reprojection/subsetting to Geographic - pixels are not square
ECSed40944	OPS_HEG	5	V	EDF	Cleanup temp files

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## INSTALLATION:

The following procedures define the installation of the Patch\_7.02\_DPL\_HEG.01C(Amended).

## PATCH/TE DEPENDANCIES:

1. The mode being installed must be at the minimum 7.02 .

## PRE-INSTALL

1. Login to the staging host and create staging area.
2. Change to the SOL8 staging directory:  
**cd /<staging\_area>/SOL8**
3. Execute the setup script: **./\*Setup.ksh**
4. Change to the IRIX65 staging directory:  
**cd /<staging\_area>/IRIX65**
5. Execute the setup script: **./\*Setup.ksh**
6. **cd /<staging\_area >/IRIX65/CUSTOM/dbms**  
**chmod -R 755 \***
7. Shut down the HEG front end. (Must be cmshared).
  - a. On the host where the package .EcDIWebAccess.pkg is installed,  
**cd /usr/ecs/<MODE>/CUSTOM/utilities**
  - b. Run the following script:  
**EcDIHEGFrontendControl <MODE> stopnow**
  - c. If that doesn't work, do the following:  
**/usr/ucb/ps -auxwww |grep -i front |grep <MODE>**  
**kill <PID>**
  - d. Remove the lockfile log in **/usr/ecs/<MODE>/CUSTOM/logs**
8. Shut down DPL.
  - a. As cmshared on the host where the package .EcDI.pkg is installed (xxdpsnn), determine the Process Id of EcDIActionDriver by issuing the command:  
**ps -ef | grep EcDIActionDriver | grep <MODE>**
  - b. **kill <PID>**

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## INSTALL:

The following provides the procedures to install Patch\_7.02\_DPL\_HEG.01C(Amended) delivery.

### Installation of Custom Code using E.A.S.I.

1. On any SUN host logon as cm<mode> then bring up E.A.S.I and select "**Full**" for install type.
2. Install all delivered packages.
3. Exit ECS Assist.

## CONFIGURATION:

1. As cm<mode>, logon to the host where the package **EcDIWebAccess.pkg** is installed (xxdpsnn).
2. Start ECS Assist's Subsystem Manager.
3. Select the MODE you wish to create configuration files for.
4. Double click "**DPL**"; then "**EcDI**" and drill down to "**EcDIDataPoolApp**". A list of executables will be displayed.
5. Select executable "**EcDIWebAccess**".
6. Click the "**Configuration**" button to verify the settings. If the settings are not correct, please enter the correct value(s).
7. New parameters for EcDIWebAccess:

Parameter	Recommended Value	Definitions
CART_GRANULE_LIMIT	Default value=1000. Must be set to positive integer from 1 to 1000.	DAAC configurable limit to the number of granules a customer may have in their shopping cart.

8. Run **Mkcfg**
  - a. Click "**Ok**" button to create configuration file for EcDIWebAccess.
  - b. Exit ECS Assist Subsystem Manager.
9. Registry Patch

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The Data Pool subsystem does not use the Registry to store its configuration parameters.

## DATABASE UPDATES:

The DataPool database should already be at patch number 7603.

Patch Number	Comments
7604	Add ProcGetCartOrderItemInfo and update ProcCartPkgGetNewWork.

1. Logon to host where the EcDI Database.pkg resides (xxacgmn) as cm<mode>.
2. Start ECS Assist Subsystem Manager. Then select the appropriate **“MODE”**, **“DPL”** and **“EcDI”**.
3. Select **“DbPatch”** from the **“Database”** menu. A **“File Selection”** window will appear.
4. In the **“File Selection”** window, select **“.dbparms”** and then **“Ok”**.
5. The **“Configurable Database Parameters”** dialog box will appear, verify that the **“Patch”** is **“7604”**. If this is not correct, please correct and proceed entering the required information and select the **“Ok”**.
6. Exit ECS Assistant Subsystem Manager.

### Database Update Fixes for NCRs 37721 and 39994.

As part of the fix for NCRs 37721 and 39994, you will need to update your Data Pool database to turn on the Polar Stereographic and UTM projection options for HEG-able swath data types, using the isql below. You should edit the coll.ShortName list in the last isql statement in steps 2 and 3 (not counting the go statement) to only contain the names of collections in your DAAC's DICollection table.

1. First, access the Data Pool database for the desired mode
  - a. **isql U<dbo id> -P<dbo password> -S<Sybase\_server>**  
where **dbo id** is the normal id used to access the Data Pool database through its Sybase server  
where **dbo password** is the password associated with the **dbo id** above  
where **Sybase server** is the server for the Data Pool databases
  - b. **use DataPool<\_MODE>**  
**go**  
where **DataPool<\_MODE>** specifies the database to be treated. The mode specification suffix is blank for

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- mode OPS, \_TS1 for mode TS1 and \_TS2 for mode TS2.
2. Next, enter the SQL statements needed for NCR 37721 (PS).

```
INSERT DIHEGOptionCollXref (collectionId, optionId, required)
SELECT coll.collectionId, 7, "N"
FROM DICollections coll, DIHEGLookup heg
WHERE coll.ShortName = heg.ShortName
and coll.VersionId = heg.VersionId
and coll.ShortName in ('AST_L1B', 'MOD021KM', 'MOD02HKM',
'MOD02QKM', 'MOD10_L2', 'MOD11_L2', 'MOD29')
go
```

3. Enter the SQL statements needed to turn on the UTM option for swath data sets, per NCR 39994, as follows:

```
INSERT DIHEGOptionCollXref (collectionId, optionId, required)
SELECT coll.collectionId, 11, "N"
FROM DICollections coll, DIHEGLookup heg
WHERE coll.ShortName = heg.ShortName
and coll.VersionId = heg.VersionId
and coll.ShortName in ('AST_L1B', 'MOD021KM', 'MOD02HKM',
'MOD02QKM', 'MOD10_L2', 'MOD11_L2', 'MOD29')
go
```

## POST INSTALLATION/NOTES:

1. Bring up the HEG front end (must be cmshared).
  - a. On the host where the package .EcDIWebAccess.pkg is installed (xxdpsnn),  
**cd /usr/ecs/<MODE>/CUSTOM/utilities**
  - b. Run the following script:  
**EcDIHEGFrontendControl <MODE> start**
  - c. Check to see that the HEG Frontend is running.
2. Reload DPL Web access application for the mode you have installed
  - a. Access the Tomcat Manager Web Page using the following example URL:  
[http://xxdpsnn.\[domain\]:\[Tomcat Manager port number\]/index.jsp](http://xxdpsnn.[domain]:[Tomcat Manager port number]/index.jsp)
  - b. Click Tomcat Manager within the Administration Box. You will be prompted for the userid and password.
  - c. The Tomcat Web Application Manager page is displayed.

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- d. Click the **Reload** button for the mode that was installed which is listed in the Commands column. The Web Access application for the selected mode will be refreshed.
3. Bring up DPL action driver:
  - a. As cmshared on the host where the package .EcDl.pkg is installed (xxdpsnn), bring up EcDlActionDriver:

```
cd /usr/ecs/<MODE>/CUSTOM/utilities  
EcDlActionDriverStart <MODE>
```

4. Staging Area Security:

```
cd <staging_area>/IRIX65/CUSTOM/dbms  
chmod -R 770 *
```